

FURTHER NOTES ON GENUS-GROUP NAMES IN THE
HYDROID FAMILY CAMPANULARIIDAE JOHNSTON,
1836. Z.N.(S.)2326

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1. Introduction

These notes follow a submission (Cornelius, 1981) on genus-group names in the hydroid family CAMPANULARIIDAE Johnston, 1836, resulting from an associated generic revision (Cornelius, 1982). The logic of that submission is not undermined but several comments are desirable.

2. *Campanularia*, *Clytia* and *Gonothyraea*

2. I have only recently become aware of Apstein's (1915) designations of type species of some hundreds of animal genera. Three genera of CAMPANULARIIDAE were included. Apstein (1915, p. 126) designated as type species of the genus *Campanularia* Lamarck, 1816, p. 112, the species *Sertularia verticillata* Linnaeus, 1758, p. 811. The same type species was selected by Nutting, 1915, p. 28. Nutting's designation, dated 10 April 1915, appears to have priority over that of Apstein which was dated 11 May 1915. On this basis my previous proposals (Cornelius, 1981, pp. 209, 216) are unaffected. I do not know if these nominal dates of publication are correct; but this does not matter since in my proposals (Cornelius, 1981, p. 216, para. 28(1)(b)) I requested that *all* previous designations of type species of this genus be set aside.

3. Apstein (1915, p. 126) designated as type species of the genus *Clytia* Lamouroux, 1812, p. 184, the species *Campanularia johnstoni* Alder, 1856, p. 359 (nom. nov. pro *Sertularia volubilis* Ellis & Solander, 1786, p. 51; non *S. volubilis* Linnaeus, 1758, p. 811, which is *Campanularia volubilis* auct., e.g. Cornelius, 1981, pp. 211, 212, and Cornelius, 1982, p. 70); This accords with but substantially predates my own designation, just cited, of *johnstoni* as type species of *Clytia*.

4. Apstein (1915, p. 127) designated as type species of the genus *Gonothyraea* Allman, 1864, p. 374, the species *Laomedea loveni* Allman, 1859, p. 138. This designation was given also by Millard (1975, p. 224), and upheld in my own paper (Cornelius, 1982, p. 91). Discussion of the genus name *Gonothyraea* does not bear directly on my submission but Apstein's early designation is mentioned for completeness.

3. *Clytia* and Cuvier

5. The Secretary of the Commission kindly showed me a letter

written by Dr L.B. Holthuis (dated 11 August 1981) in response to my submission. Dr Holthuis drew attention to an inferred designation of the type species of the genus *Clytia* in the "Disciples' edition" of Cuvier's 'Règne animal', based on a phrase in the title of that work (Cuvier, 1836–1849). I understand from Commissioner Dr I.W.B. Nye that the inclusion of the phrase '...représentant les types de tous les genres...' in the title of that work is taken in nomenclatural circles as having a special meaning. Wherever in that book a genus-group taxon includes just one species, then that species is deemed therein to have been designated type species. I must, therefore, accept Dr Holthuis' point. However, I doubt that the compilers' intentions were to designate type species in the many genera they treated. (The edition was posthumous to Cuvier, being compiled by eleven biologists: hence the epithet "Disciples' edition".) Rather, they were simply describing species which were typical examples of the genera. The argument that the wording of the title indicates that type-designations are to be inferred (but only in the genera in which they included but a single example!) is weak. It hinges tenuously on a dubious semantic point. For these and perhaps other reasons I accept Dr Holthuis' point a little unhappily.

6. The species illustrated in the Cuvier work (op. cit., pl. 66, fig. 4) was "*Clythia volubilis*: Lamarck" (unjust. emend. pro *Clytia*). Original authorship of the species was by Ellis & Solander, 1786, p. 51, pl. 4, figs E–F, e–f. *Sertularia volubilis* Ellis & Solander is both a junior homonym (of *S. volubilis* Linnaeus, 1758, p. 811, a distinct and valid species now known as *Campanularia volubilis*, e.g. Cornelius, 1982, p. 55) and a junior objective synonym (of *Sertularia uniflora* Ellis, 1768, pl. 19, fig. 9; discussed in Cornelius, 1981, p. 212). Thus the earliest available name for the type species of *Clytia* is *johnstoni*, introduced in the combination *Campanularia johnstoni* Alder, 1856, pp. 359–360, pl. 13, fig. 8 (discussed in Cornelius, 1981, p. 212). Hence the proposal at Cornelius, 1981, para. 28(1)(c) may stand.

4. The binominal *Medusa hemisphaerica*

7. Concerning Dr Holthuis' comment about my citation (Cornelius, 1981, p. 213) of Houttuyn's (1770) use of the species name *hemisphaerica*, I gratefully confirm his opinion that I was mistaken. As Holthuis says, the binominal *Medusa hemisphaerica* was validly used (Houttuyn, 1770, p. 423), albeit only implicitly on the page in question. My case is not affected, however, since (as Dr Holthuis concurs) Houttuyn's volume was published some three years after the binominal *M. hemisphaerica* was introduced by Linnaeus, 1767, p. 1098.

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